

Post-Transition Longley-Rice Analysis

2000 Census data selected  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-28- 9 Time: 10:09:10

Record Selected for Analysis

KISU-DT BLEDT -20030131AHZ POCATELLO ID US  
Channel 17 ERP 189 kW HAAT 451.1 m RCAMSL 2017. m  
Latitude 43 -30-4 Longitude 112 -39-41  
Status LIC Zone 2 Border  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50, 90) (km)
0.0	189.000	451.3	94.9
45.0	189.000	384.3	90.9
90.0	189.000	410.4	92.5
135.0	189.000	471.6	96.4
180.0	189.000	500.7	98.9
225.0	189.000	443.5	94.4
270.0	189.000	456.2	95.3
315.0	189.000	466.0	96.0

Avg: 448.0

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance  
Distance to border = 611.2km

Proposed facility is beyond the Mexican coordination distance  
Distance to border = 1211.8km

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Proposed Station

Post-Transition Longley-Rice Analysis

Channel	Call	City/State	ARN	
17	KISU-DT	POCATELLO ID	BLEDT	20030131AHZ

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	K17ED	PAYETTE ID	346.3	LIC	BLTTL -19980713JE
17	KMMF	MISSOULA MT	381.0	PLN	DTVPLN -DTVPLN81348
17	KMMF	MISSOULA MT	381.0	CP	BPCDT -20080515AAK
18	KBGH	FILER ID	166.1	PLN	DTVPLN -DTVPLN12284
18	KBGH-DT	FILER ID	166.1	CP	BPEDT -20000427ACR
18	KSVX-LP	HAILEY ID	140.7	LIC	BLTTA -20030328ABC
20	KSVT-LP	KETCHUM ID	140.7	LIC	BLTTL -19960911JE

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
17	K17ED	PAYETTE ID	BLTTL -19980713JE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	KUNP	LA GRANDE OR	153.3	RULE	BPRM -20080620AOS
17	KISU-DT	POCATELLO ID	346.3	LIC	BLEDT -20030131AHZ
17	KISU-TV	POCATELLO ID	346.4	PLN	DTVPLN -DTVPLN62430
17	KMMF	MISSOULA MT	380.9	PLN	DTVPLN -DTVPLN81348
17	KMMF	MISSOULA MT	380.9	CP	BPCDT -20080515AAK

Proposal causes no interference

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Analysis of Interference to Affected Station 2

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
17	KMMF	MISSOULA MT	DTVPLN -DTVPLN81348

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	KISU-TV	POCATELLO ID	381.1	PLN	DTVPLN -DTVPLN62430

Results for: 17A MT MISSOULA DTVPLN DTVPLN81348 PLN

HAAT 628.0 m, ATV ERP 50.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	158857	25778.9
not affected by terrain losses	132820	16726.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Analysis of current record

Channel	Call	City/State	Application Ref. No.
17	KMMF	MISSOULA MT	DTVPLN -DTVPLN81348

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	KISU-DT	POCATELLO ID	381.0	LIC	BLEDT -20030131AHZ
17	KISU-TV	POCATELLO ID	381.1	PLN	DTVPLN -DTVPLN62430

Proposal causes no interference

# Post-Transition Longley-Rice Analysis

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## Analysis of Interference to Affected Station 3

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	KMMF	MISSOULA MT	BPCDT	-20080515AAK

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KISU-DT	POCATELLO ID	381.0	LIC	BLEDT	-20030131AHZ
17	KISU-TV	POCATELLO ID	381.1	PLN	DTVPLN	-DTVPLN62430

Proposal causes no interference

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## Analysis of Interference to Affected Station 4

### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	KBGH	FILER ID	DTVPLN	-DTVPLN12284

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KISU-TV	POCATELLO ID	166.1	PLN	DTVPLN	-DTVPLN62430

Results for: 18A ID FILER DTVPLN DTVPLN12284 PLN

HAAT 161.0 m, ATV ERP 50.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	132641	13688.1
not affected by terrain losses	132602	13419.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KBGH	FILER ID	DTVPLN	-DTVPLN12284

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KISU-DT	POCATELLO ID	166.1	LIC	BLEDT	-20030131AHZ
17	KISU-TV	POCATELLO ID	166.1	PLN	DTVPLN	-DTVPLN62430

Proposal causes no interference

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## Analysis of Interference to Affected Station 5

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KBGH-DT	FILER ID	BPEDT	-20000427ACR

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KISU-DT	POCATELLO ID	166.1	LIC	BLEDT	-20030131AHZ
17	KISU-TV	POCATELLO ID	166.1	PLN	DTVPLN	-DTVPLN62430

Proposal causes no interference

# Post-Transition Longley-Rice Analysis

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## Analysis of Interference to Affected Station 6

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KSVX-LP	HAILEY ID	BLTTA	-20030328ABC

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KISU-DT	POCATELLO ID	140.7	LIC	BLEDT	-20030131AHZ
17	KISU-TV	POCATELLO ID	140.8	PLN	DTVPLN	-DTVPLN62430
18	KBGH	FILER ID	101.6	PLN	DTVPLN	-DTVPLN12284
18	KBGH-DT	FILER ID	101.6	CP	BPEDT	-20000427ACR

Proposal causes no interference

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## Analysis of Interference to Affected Station 7

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	KSVT-LP	KETCHUM ID	BLTTL	-19960911JE

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KISU-DT	POCATELLO ID	140.7	LIC	BLEDT	-20030131AHZ
17	KISU-TV	POCATELLO ID	140.8	PLN	DTVPLN	-DTVPLN62430
18	KBGH	FILER ID	101.6	PLN	DTVPLN	-DTVPLN12284
18	KBGH-DT	FILER ID	101.6	CP	BPEDT	-20000427ACR

Proposal causes no interference

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## Analysis of Interference to Affected Station 8

### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
17	KISU-TV	POCATELLO ID	DTVPLN	-DTVPLN62430

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KMMF	MISSOULA MT	381.1	PLN	DTVPLN	-DTVPLN81348
18	KBGH	FILER ID	166.1	PLN	DTVPLN	-DTVPLN12284

Results for: 17A ID POCATELLO DTVPLN DTVPLN62430 PLN  
HAAT 465.0 m, ATV ERP 190.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	263522	33706.5
not affected by terrain losses	260028	29869.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	24.0
lost to ATV IX only	0	24.0
lost to all IX	0	24.0

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	KISU-DT	POCATELLO ID	BLEDT	-20030131AHZ

### Stations Potentially Affecting This Station

Chan	Call	City/State	Post-Transition Dist(km)	Longley-Rice Analysis Status	Application Ref. No.
17	KMMF	MISSOULA MT	381.0	PLN	DTVPLN -DTVPLN81348
17	KMMF	MISSOULA MT	381.0	CP	BPCDT -20080515AAK
18	KBGH	FILER ID	166.1	PLN	DTVPLN -DTVPLN12284
18	KBGH-DT	FILER ID	166.1	CP	BPEDT -20000427ACR

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 8  
Before Analysis

Results for: 17A ID POCATELLO BLEDT 20030131AHZ LIC  
HAAT 451.1 m, ATV ERP 189.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	260837	30650.3
not affected by terrain losses	257761	27605.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

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